

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132592.D
 Acq On : 01 Mar 2023 15:39
 Operator : CG\JU
 Sample : 01736-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 02 03:17:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

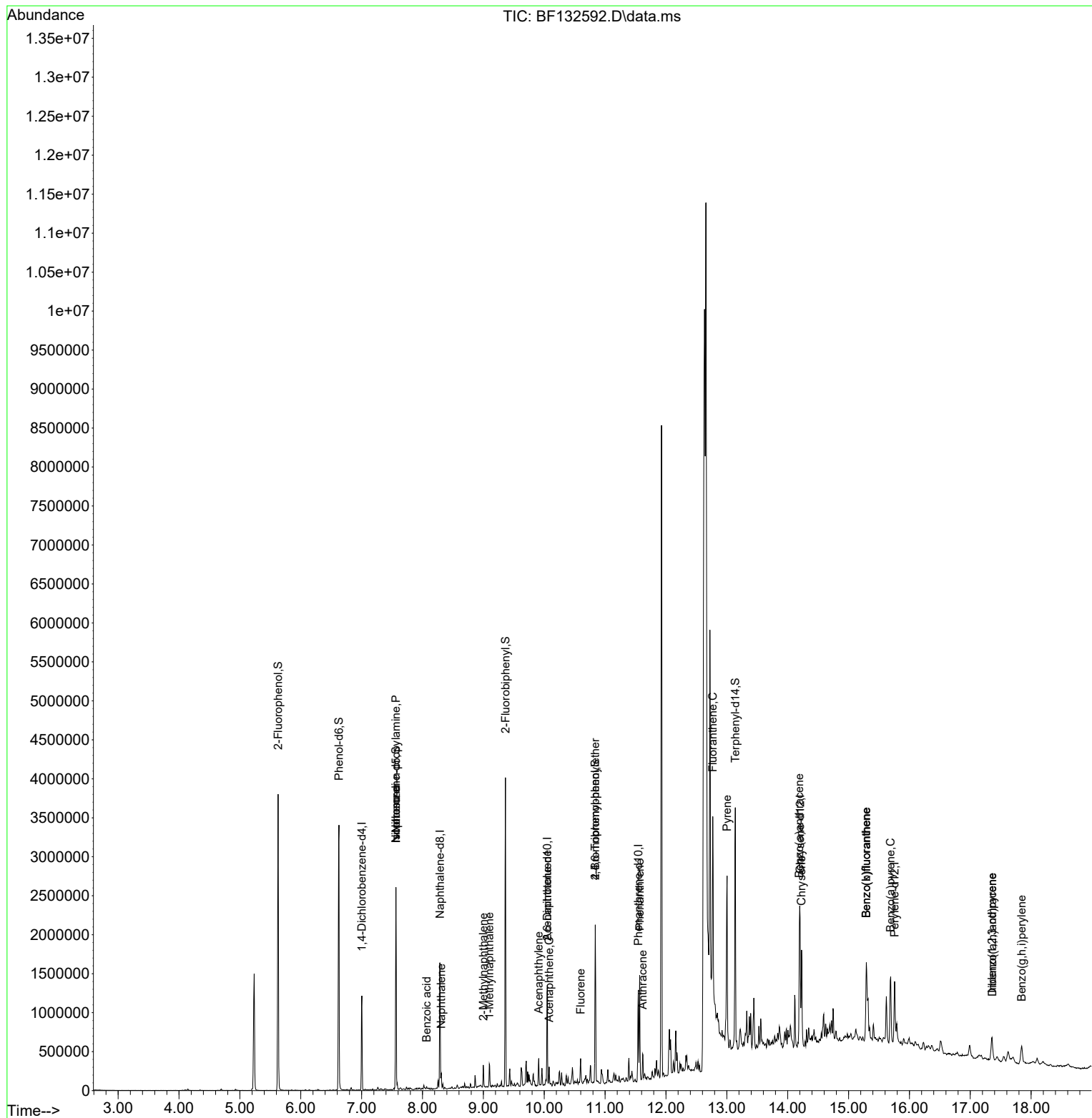
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	179107	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	618257	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	260374	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	434434	20.000	ng	0.00
76) Chrysene-d12	14.204	240	399575	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	357141	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1055225	95.619	ng	0.00
7) Phenol-d6	6.628	99	1274246	88.473	ng	0.00
23) Nitrobenzene-d5	7.563	82	802018	61.546	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	221569	78.796	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1123538	65.704	ng	0.00
79) Terphenyl-d14	13.139	244	1128887	47.767	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	105596	11.913	ng	# 77
25) Isophorone	7.563	82	801101	32.065	ng	# 67
31) Naphthalene	8.310	128	75107	2.373	ng	98
32) Benzoic acid	8.069	122	160	3.855	ng	# 1
37) 2-Methylnaphthalene	8.998	142	74672	3.462	ng	99
38) 1-Methylnaphthalene	9.098	142	75607	3.751	ng	99
49) Acenaphthylene	9.910	152	110060	4.426	ng	99
51) 2,6-Dinitrotoluene	10.051	165	37350	8.651	ng	# 23
52) Acenaphthene	10.080	154	36731	2.326	ng	97
58) Fluorene	10.598	166	80417	4.567	ng	94
67) 4-Bromophenyl-phenylether	10.839	248	14112	2.872	ng	# 1
71) Phenanthrene	11.569	178	471074	20.931	ng	98
72) Anthracene	11.616	178	141761	6.117	ng	98
75) Fluoranthene	12.769	202	818347	33.261	ng	99
78) Pyrene	13.004	202	954151	26.265	ng	100
81) Benzo(a)anthracene	14.192	228	572693	19.155	ng	94
83) Chrysene	14.227	228	522663	18.695	ng	97
87) Indeno(1,2,3-cd)pyrene	17.356	276	212933	9.099	ng	96
88) Benzo(b)fluoranthene	15.292	252	859068	35.893	ng	# 96
89) Benzo(k)fluoranthene	15.292	252	859068	36.675	ng	97
90) Benzo(a)pyrene	15.692	252	455034	20.314	ng	97
91) Dibenzo(a,h)anthracene	17.362	278	55324	2.902	ng	# 86
92) Benzo(g,h,i)perylene	17.845	276	198207	10.503	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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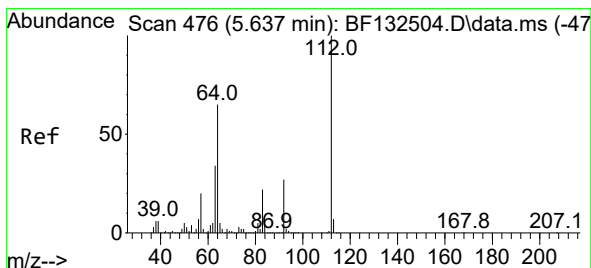
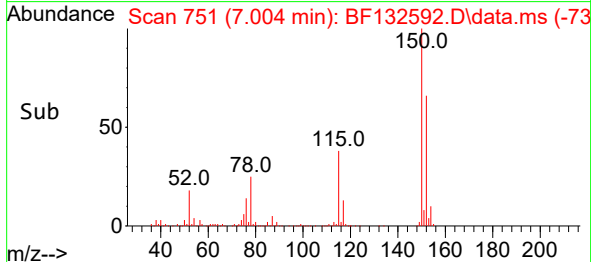
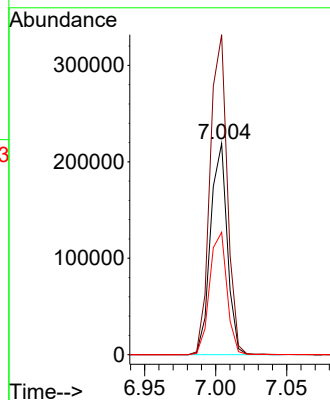
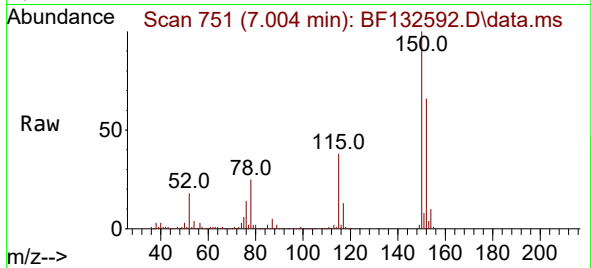




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

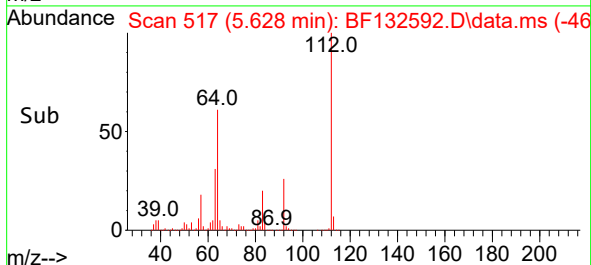
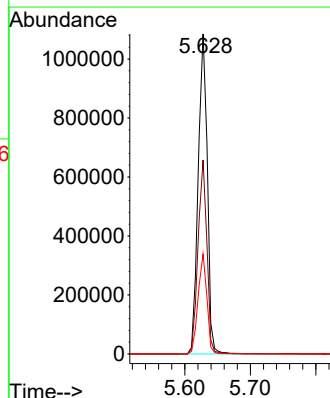
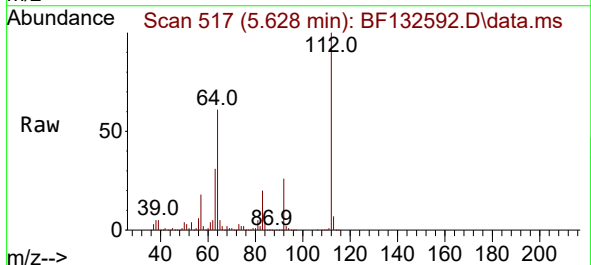
Instrument :
BNA_F
ClientSampleId :
TP-6

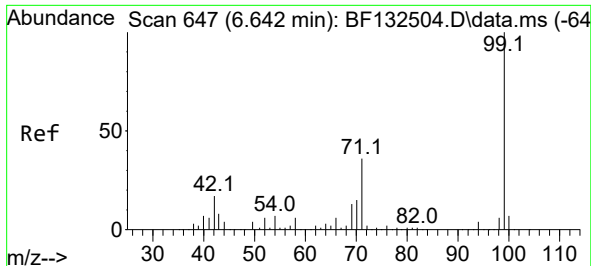
Tgt Ion:152 Resp: 179107
Ion Ratio Lower Upper
152 100
150 151.6 125.4 188.2
115 58.0 47.8 71.6



#5
2-Fluorophenol
Concen: 95.619 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:112 Resp: 1055225
Ion Ratio Lower Upper
112 100
64 60.6 51.6 77.4
63 31.3 27.4 41.2

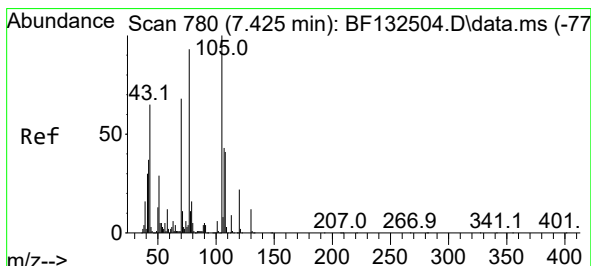
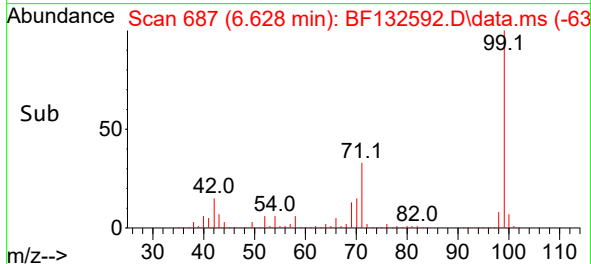
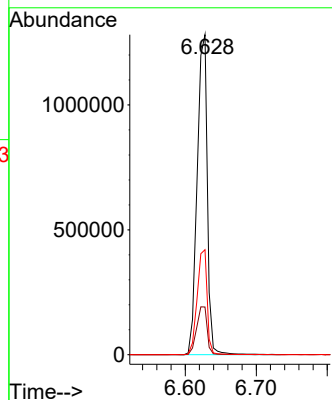
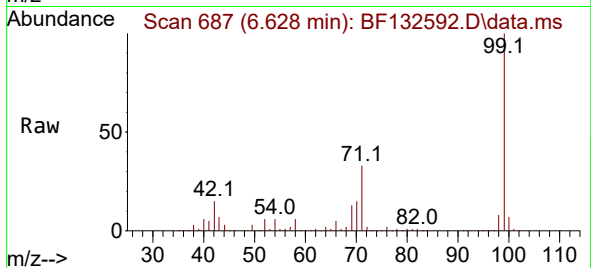




#7
Phenol-d6
Concen: 88.473 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

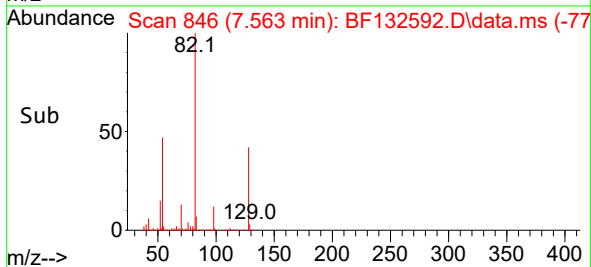
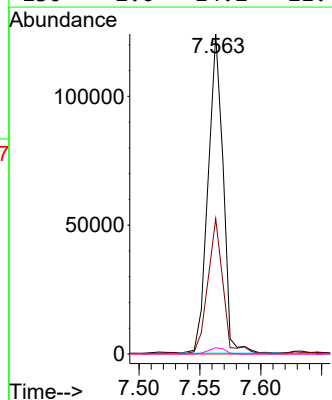
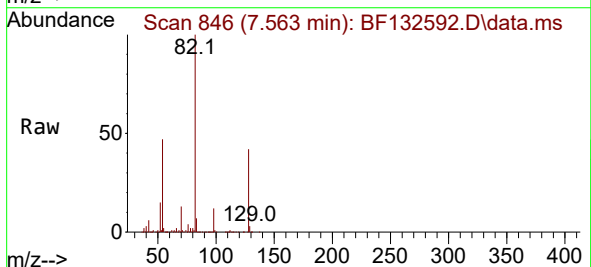
Instrument :
BNA_F
ClientSampleId :
TP-6

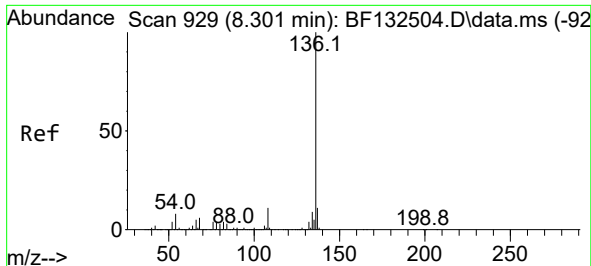
Tgt Ion: 99 Resp: 1274246
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 32.8 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.913 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion: 70 Resp: 105596
Ion Ratio Lower Upper
70 100
42 42.2 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

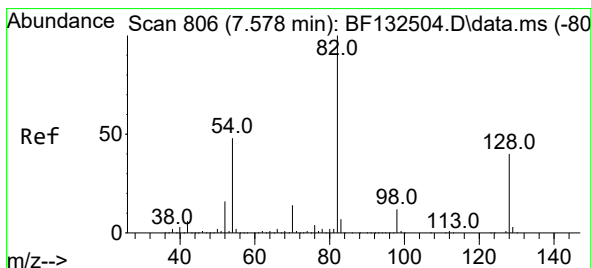
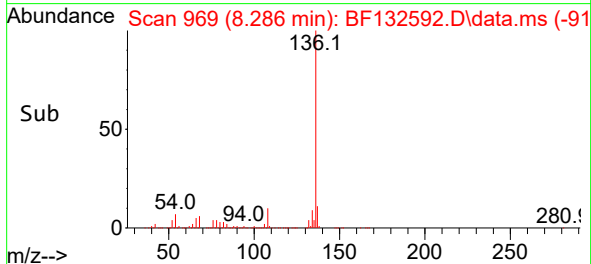
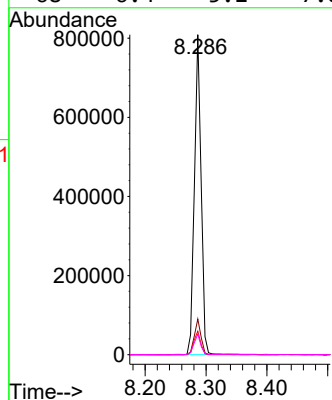
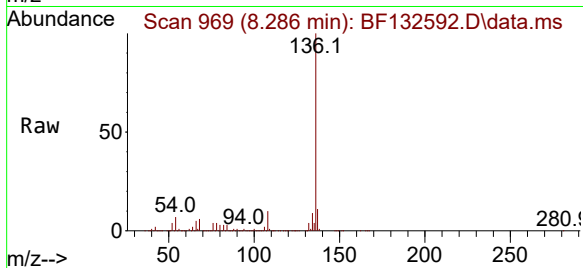




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

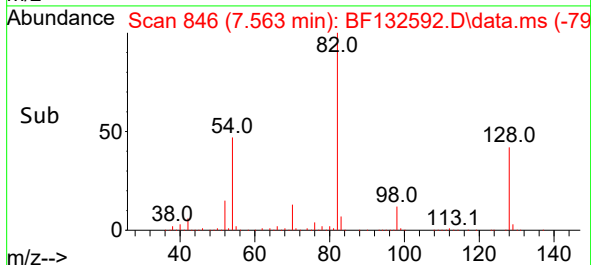
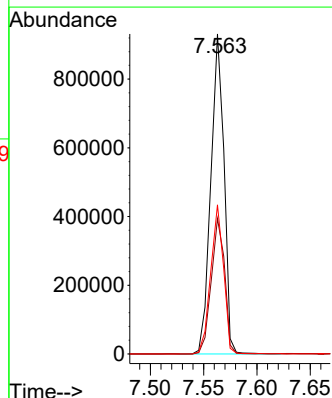
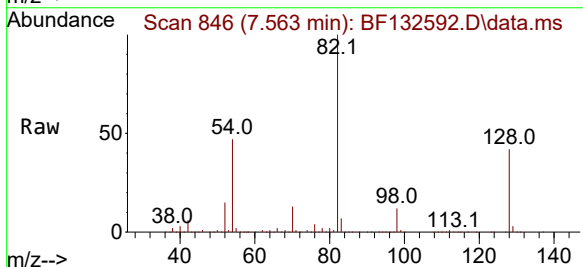
Instrument :
BNA_F
ClientSampleId :
TP-6

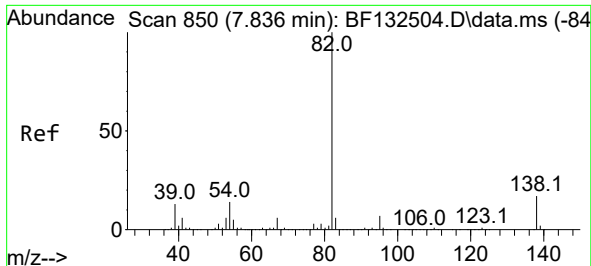
Tgt Ion:136 Resp: 618257
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.4 6.2 9.4
68 6.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 61.546 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion: 82 Resp: 802018
Ion Ratio Lower Upper
82 100
128 42.3 32.2 48.2
54 46.6 38.4 57.6

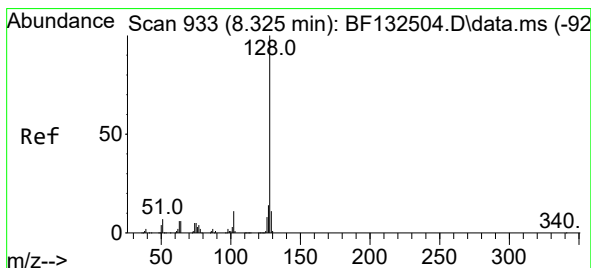
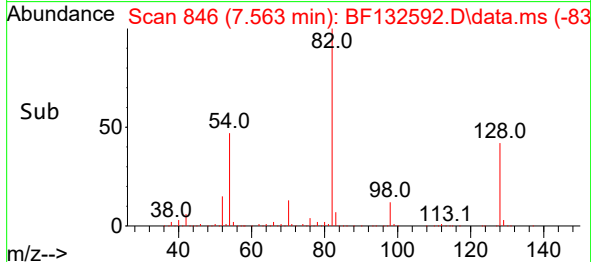
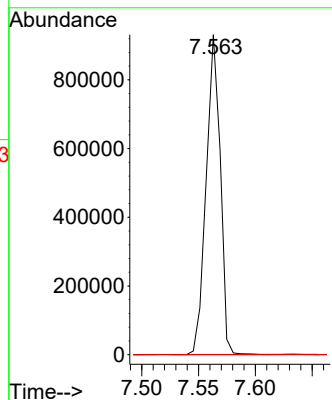
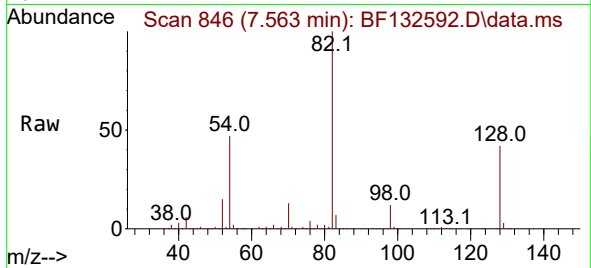




#25
Isophorone
Concen: 32.065 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

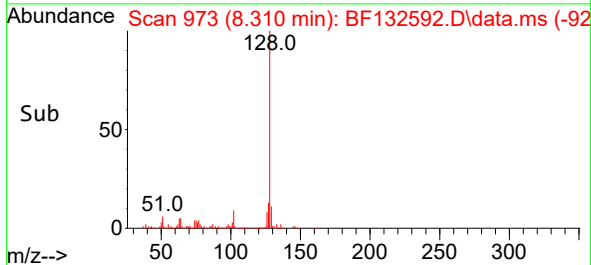
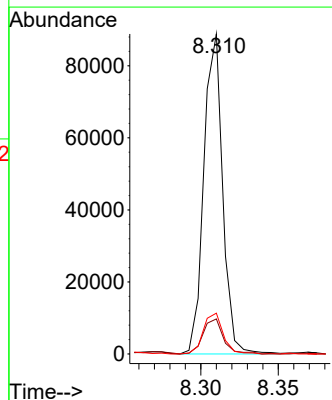
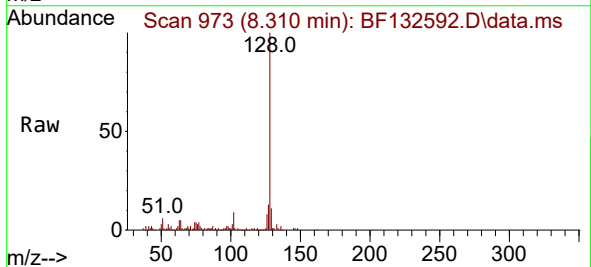
Instrument :
BNA_F
ClientSampleId :
TP-6

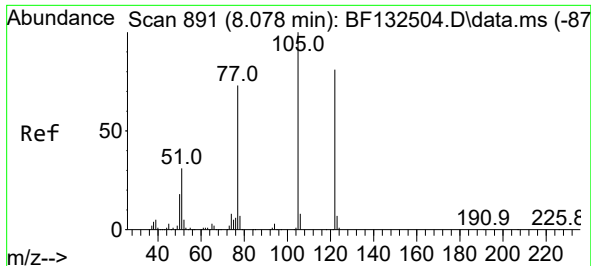
Tgt Ion: 82 Resp: 801101
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 2.373 ng
RT: 8.310 min Scan# 973
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:128 Resp: 75107
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 12.7 11.0 16.6

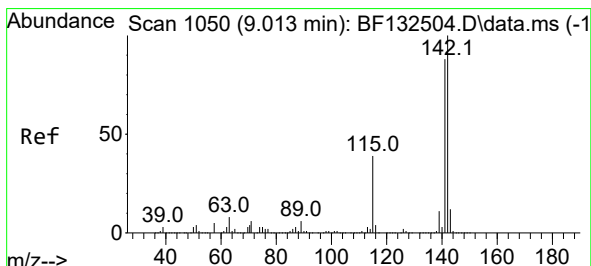
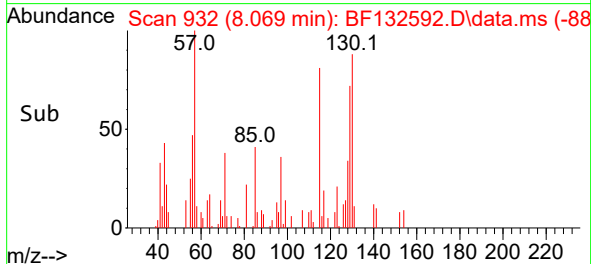
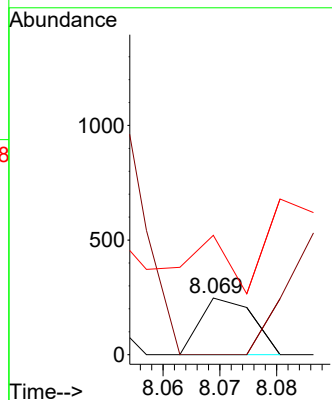
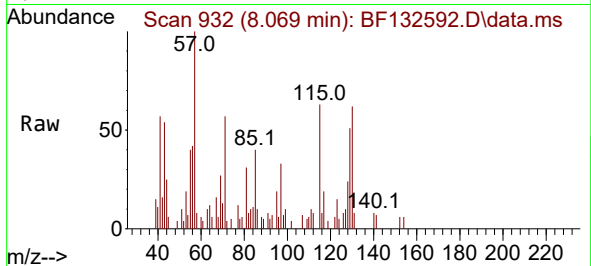




#32
Benzoic acid
Concen: 3.855 ng
RT: 8.069 min Scan# 91
Delta R.T. 0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

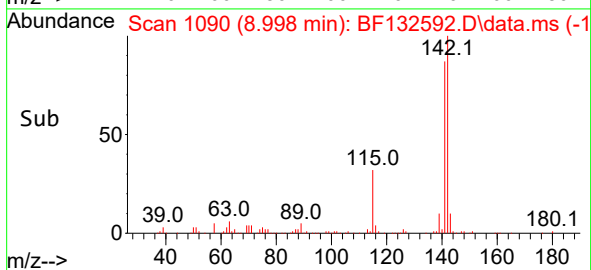
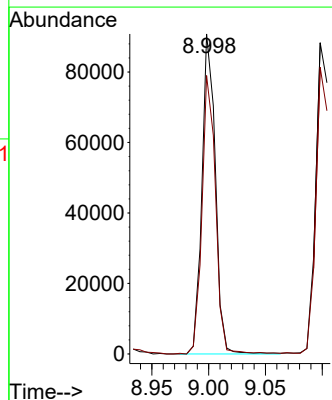
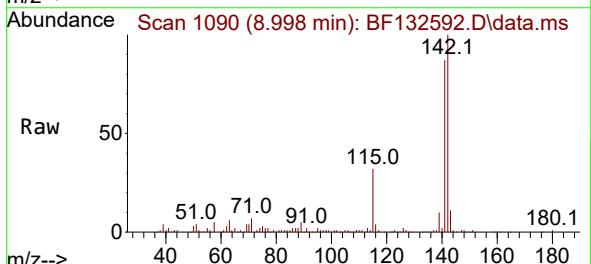
Instrument :
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ClientSampleId :
TP-6

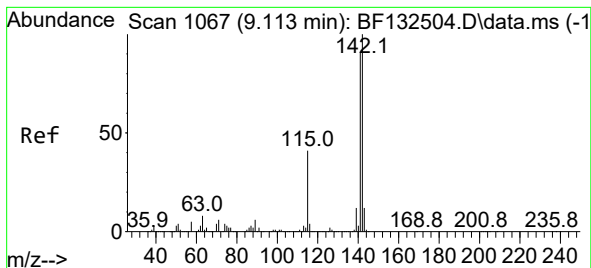
Tgt Ion:122 Resp: 160
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 210.9 70.2 110.2#



#37
2-Methylnaphthalene
Concen: 3.462 ng
RT: 8.998 min Scan# 1090
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:142 Resp: 74672
Ion Ratio Lower Upper
142 100
141 87.0 70.2 105.2





#38

1-Methylnaphthalene

Concen: 3.751 ng

RT: 9.098 min Scan# 1107

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

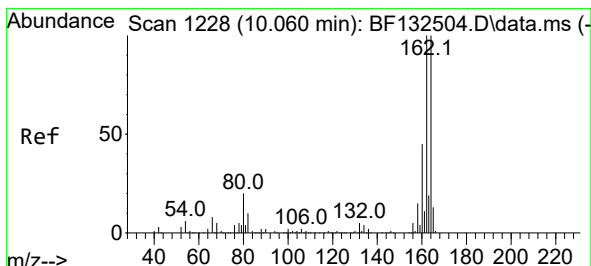
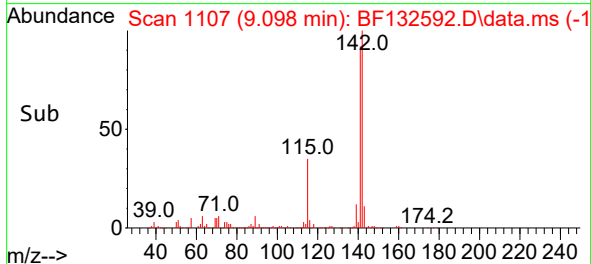
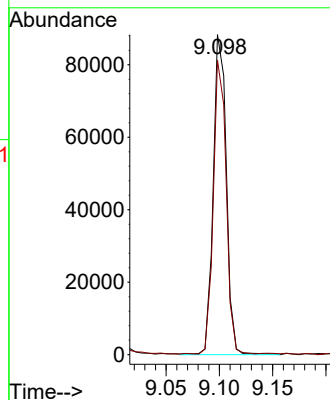
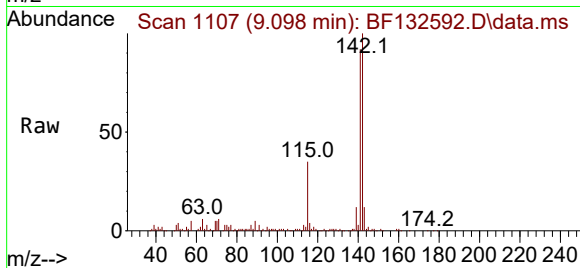
TP-6

Tgt Ion:142 Resp: 75607

Ion Ratio Lower Upper

142 100

141 92.1 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1269

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

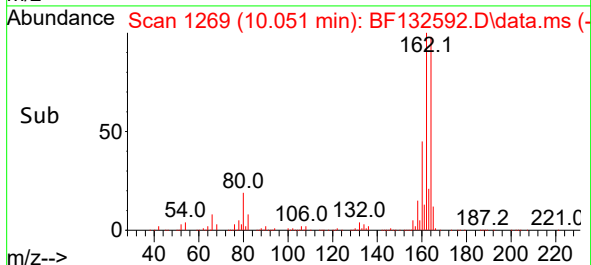
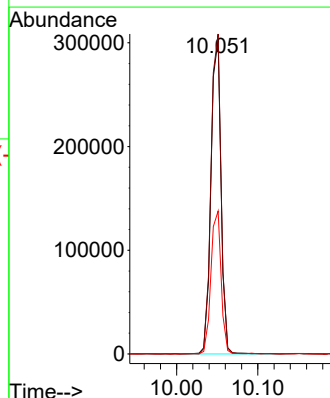
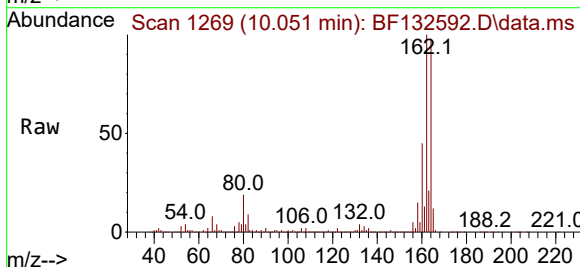
Tgt Ion:164 Resp: 260374

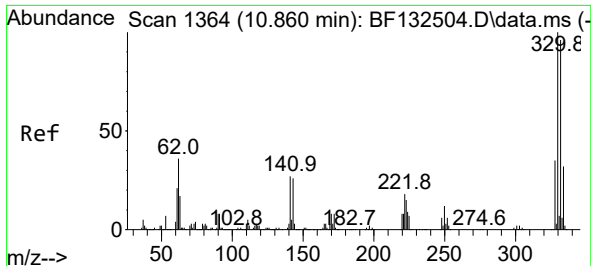
Ion Ratio Lower Upper

164 100

162 101.7 79.8 119.8

160 45.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 78.796 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

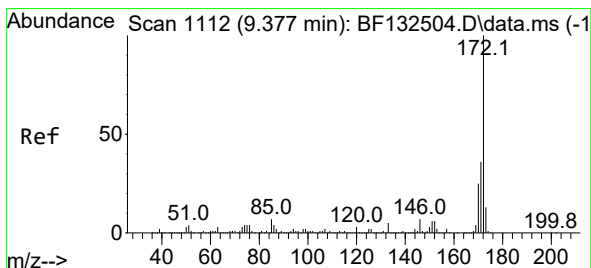
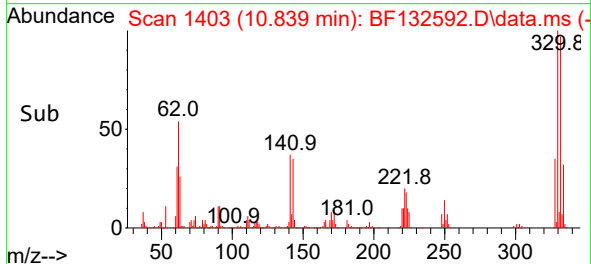
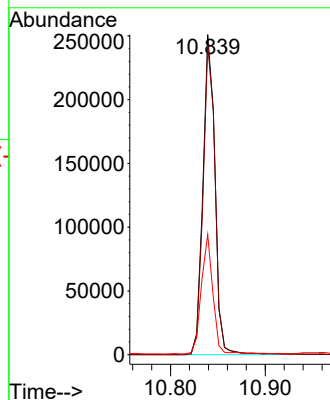
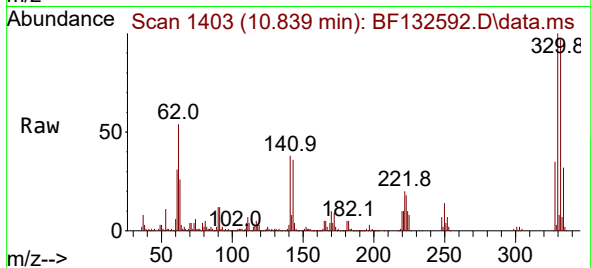
Tgt Ion:330 Resp: 221569

Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

141 35.8 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 65.704 ng

RT: 9.363 min Scan# 1152

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

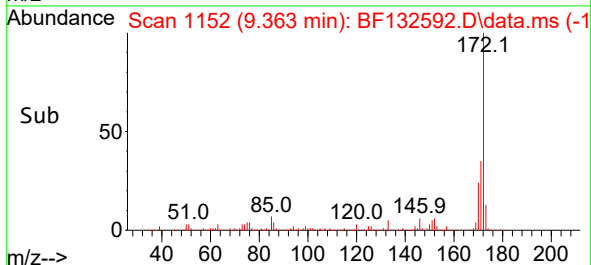
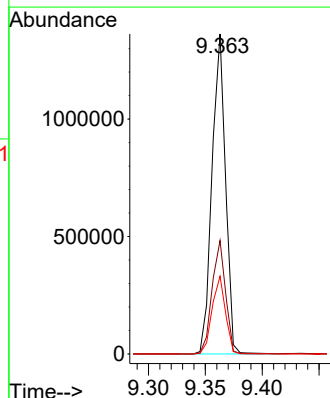
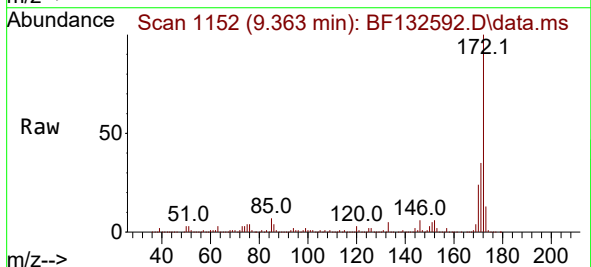
Tgt Ion:172 Resp: 1123538

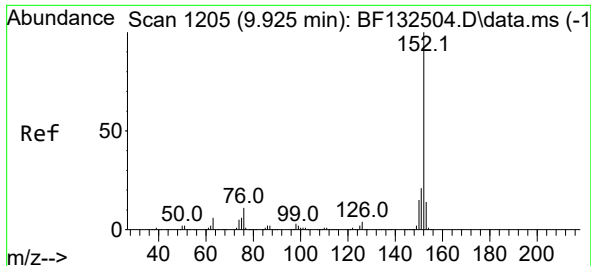
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.3 19.7 29.5





#49

Acenaphthylene

Concen: 4.426 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

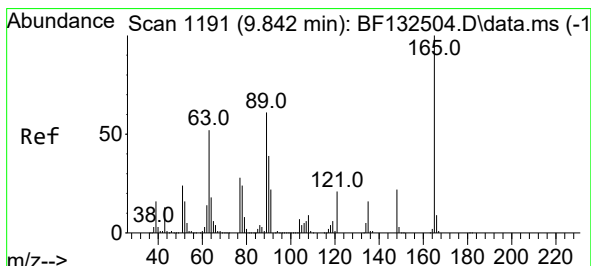
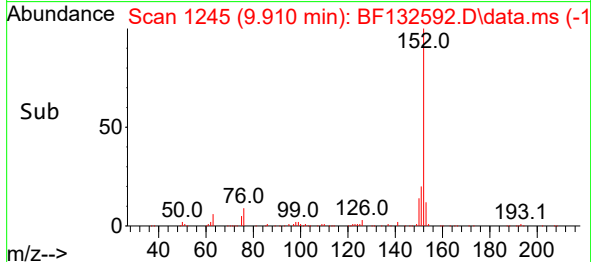
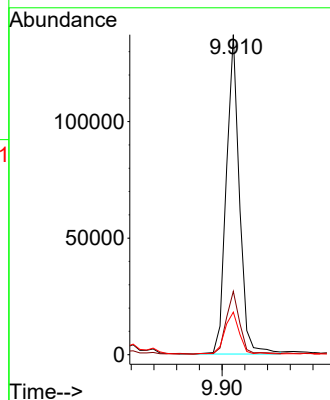
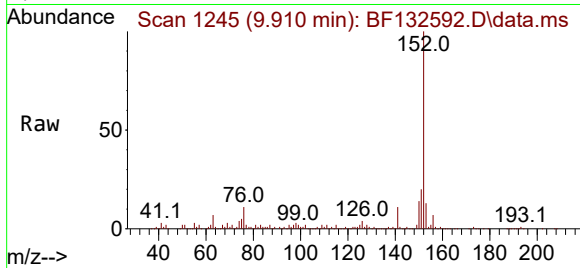
Tgt Ion:152 Resp: 110060

Ion Ratio Lower Upper

152 100

151 19.8 16.4 24.6

153 13.3 11.0 16.6



#51

2,6-Dinitrotoluene

Concen: 8.651 ng

RT: 10.051 min Scan# 1269

Delta R.T. 0.215 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

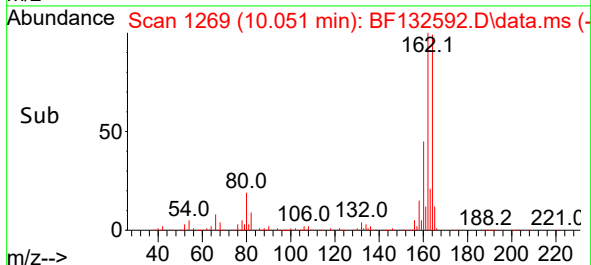
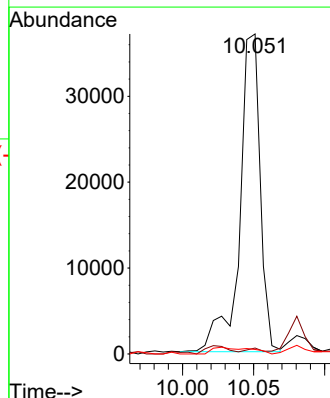
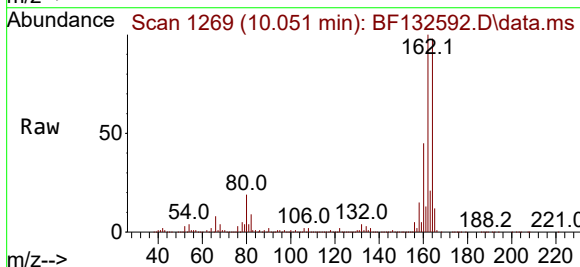
Tgt Ion:165 Resp: 37350

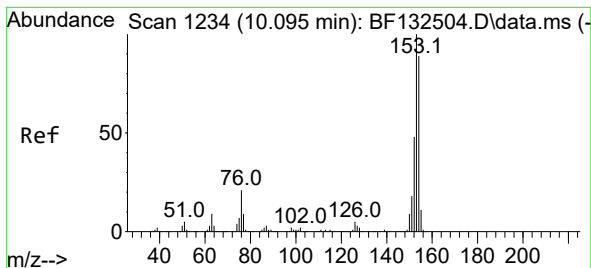
Ion Ratio Lower Upper

165 100

63 1.9 47.3 70.9#

89 1.4 48.9 73.3#





#52

Acenaphthene

Concen: 2.326 ng

RT: 10.080 min Scan# 1362

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

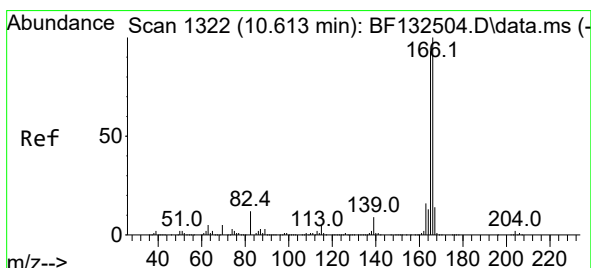
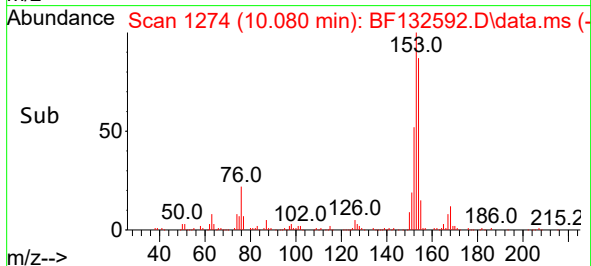
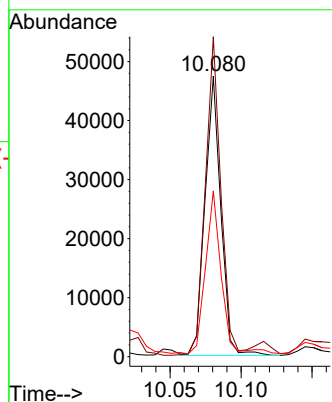
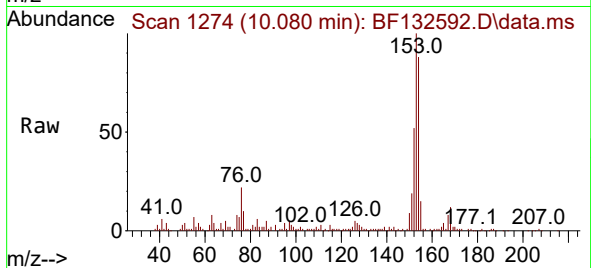
Tgt Ion:154 Resp: 36731

Ion Ratio Lower Upper

154 100

153 114.1 89.8 134.8

152 59.1 43.3 64.9



#58

Fluorene

Concen: 4.567 ng

RT: 10.598 min Scan# 1362

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

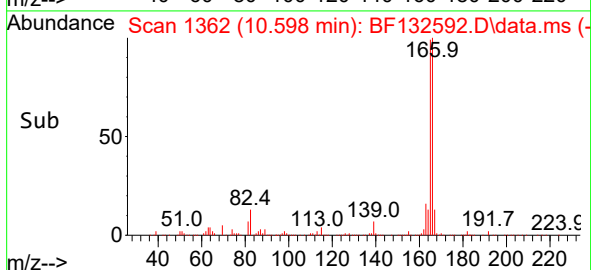
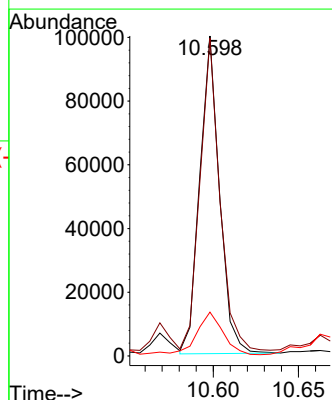
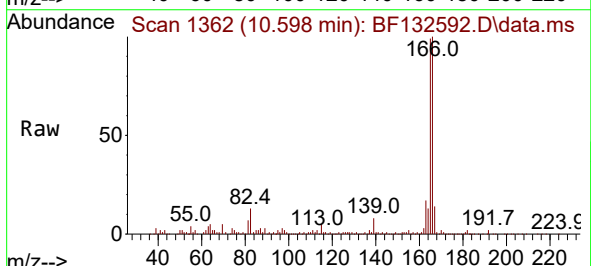
Tgt Ion:166 Resp: 80417

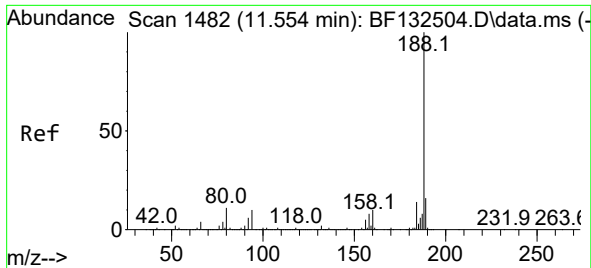
Ion Ratio Lower Upper

166 100

165 99.4 74.2 111.4

167 13.7 11.1 16.7

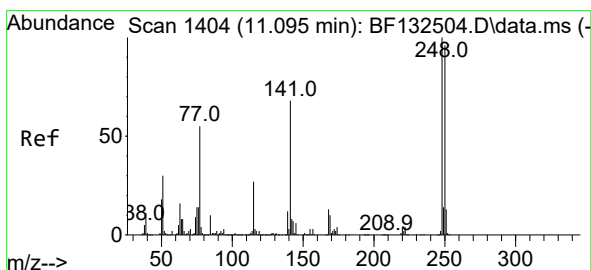
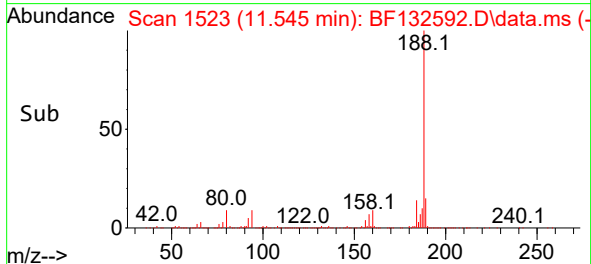
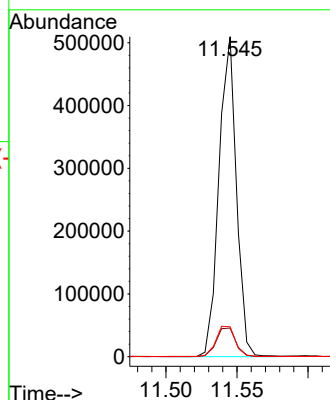
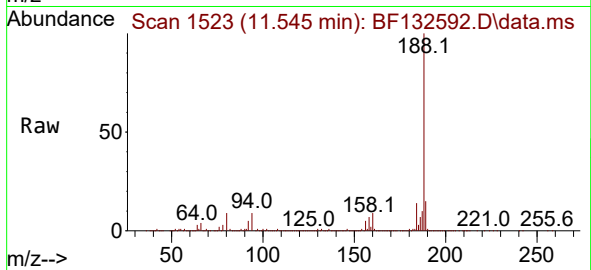




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

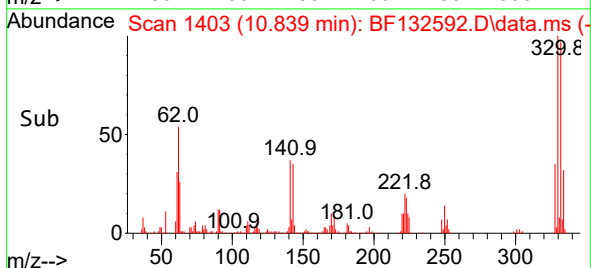
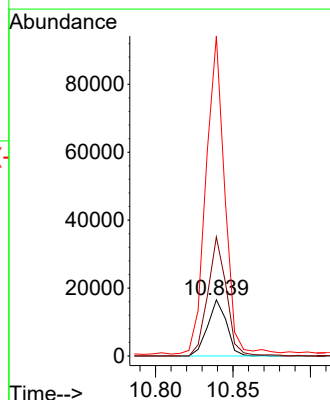
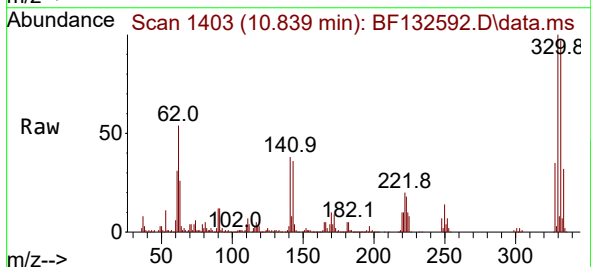
Instrument :
BNA_F
ClientSampleId :
TP-6

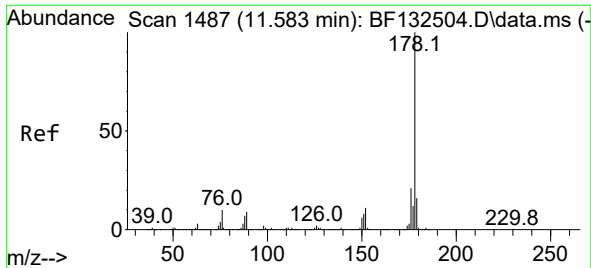
Tgt Ion:188 Resp: 434434
Ion Ratio Lower Upper
188 100
94 9.0 8.3 12.5
80 9.3 8.7 13.1



#67
4-Bromophenyl-phenylether
Concen: 2.872 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.250 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:248 Resp: 14112
Ion Ratio Lower Upper
248 100
250 212.2 77.0 115.4#
141 570.2 54.2 81.2#

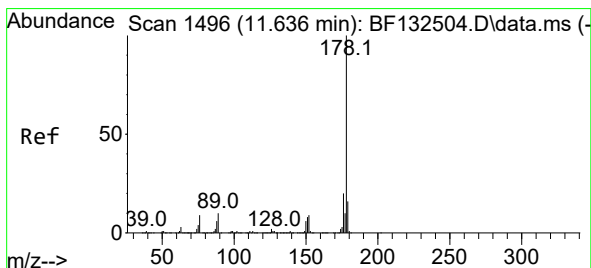
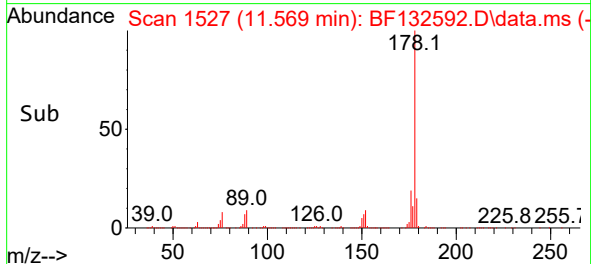
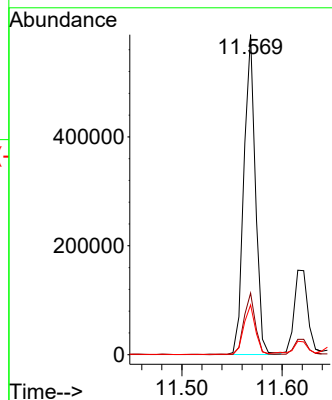
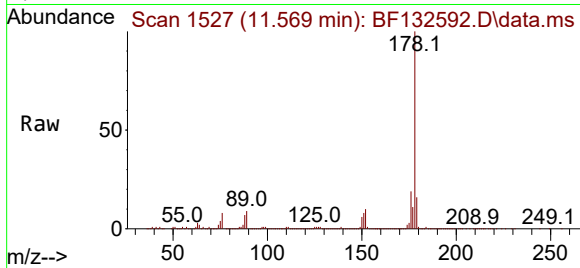




#71
Phenanthrene
Concen: 20.931 ng
RT: 11.569 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

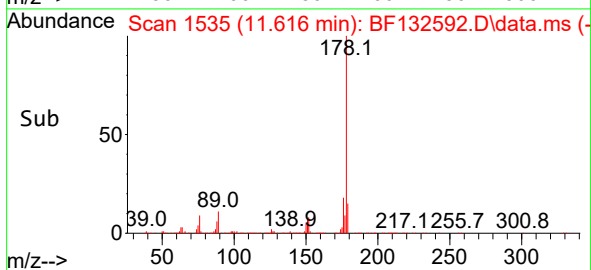
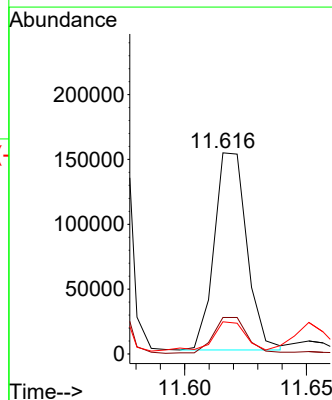
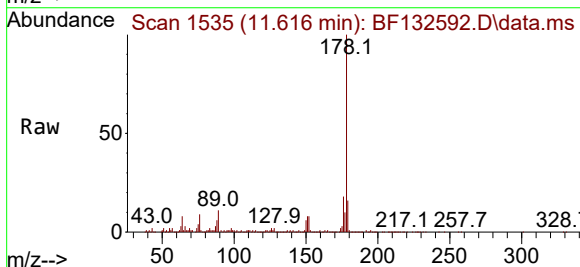
Instrument :
BNA_F
ClientSampleId :
TP-6

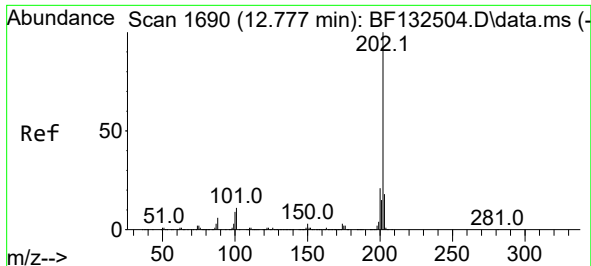
Tgt Ion:178 Resp: 471074
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 15.5 13.0 19.6



#72
Anthracene
Concen: 6.117 ng
RT: 11.616 min Scan# 1535
Delta R.T. -0.015 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:178 Resp: 141761
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.0 12.5 18.7

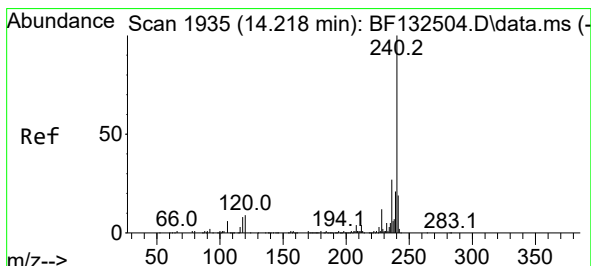
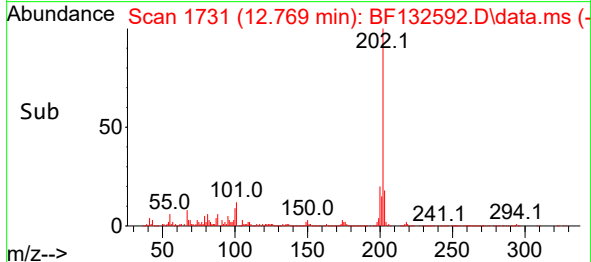
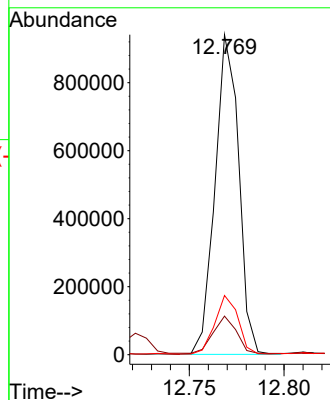
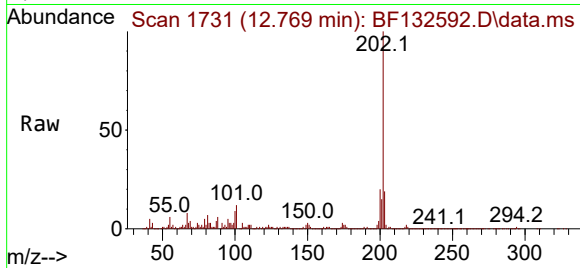




#75
Fluoranthene
Concen: 33.261 ng
RT: 12.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

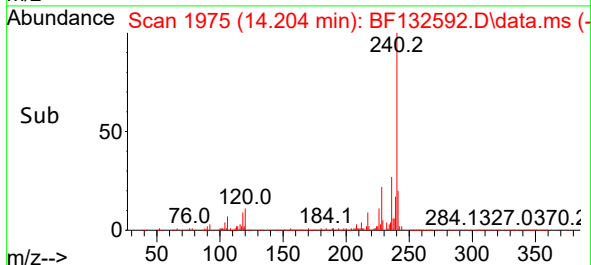
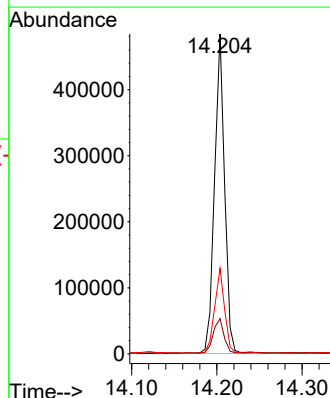
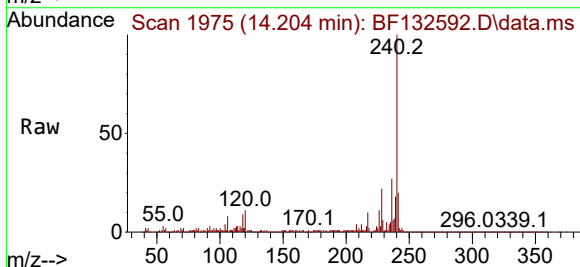
Instrument :
BNA_F
ClientSampleId :
TP-6

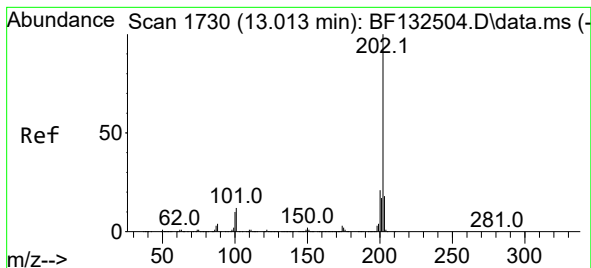
Tgt Ion:202 Resp: 818347
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.4
203 18.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:240 Resp: 399575
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8#
236 26.8 21.8 32.6





#78

Pyrene

Concen: 26.265 ng

RT: 13.004 min Scan# 11

Delta R.T. 0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

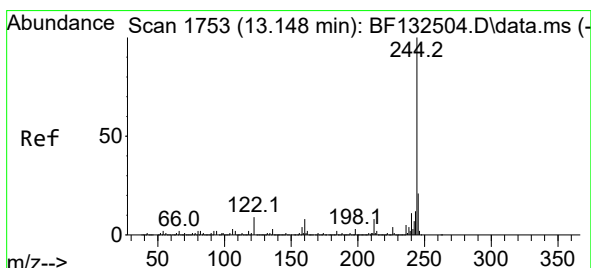
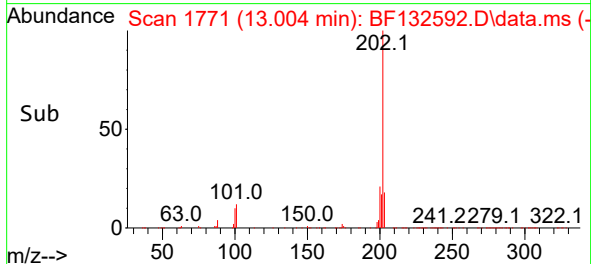
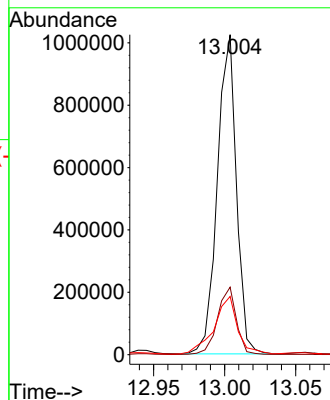
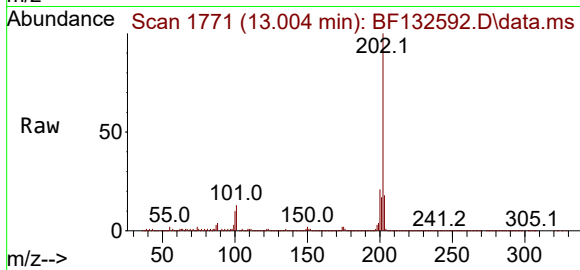
Tgt Ion:202 Resp: 954151

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.2 14.6 21.8



#79

Terphenyl-d14

Concen: 47.767 ng

RT: 13.139 min Scan# 1794

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

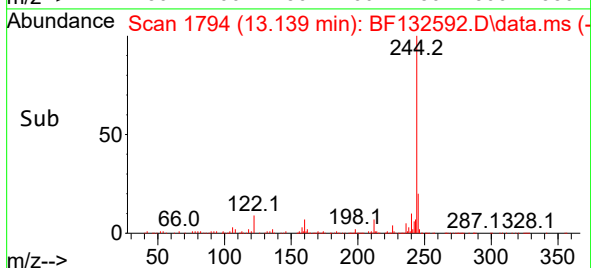
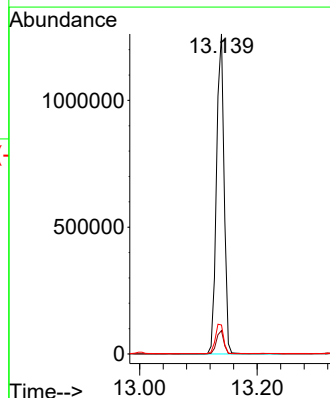
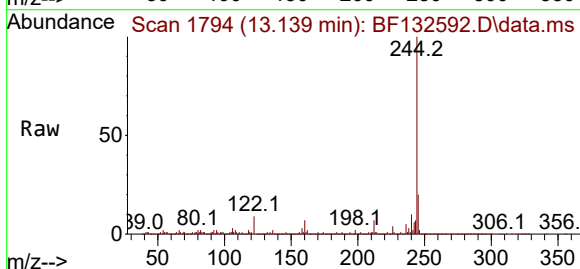
Tgt Ion:244 Resp: 1128887

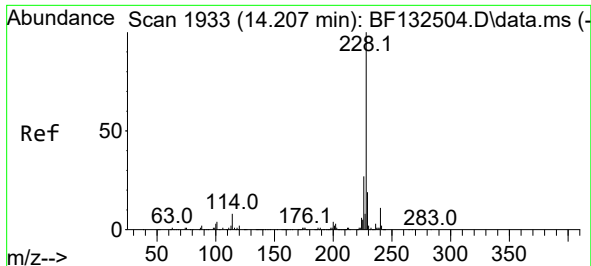
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 9.1 7.5 11.3

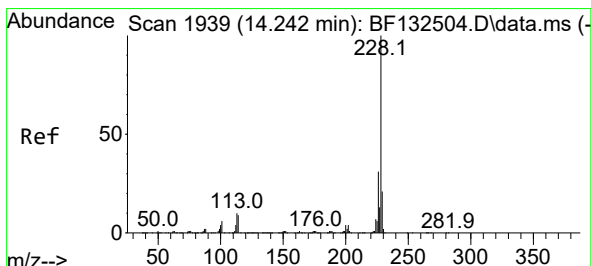
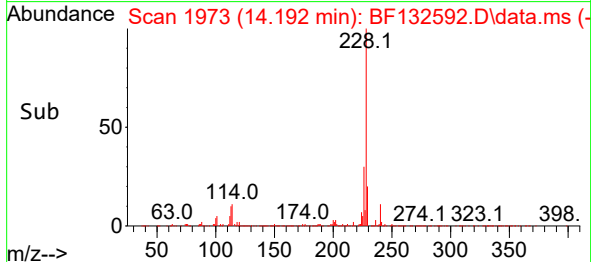
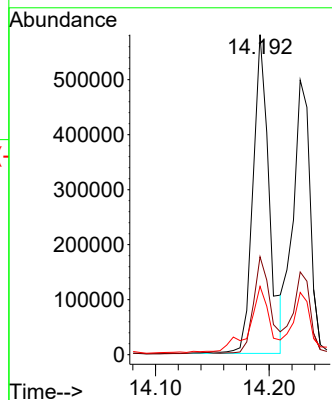
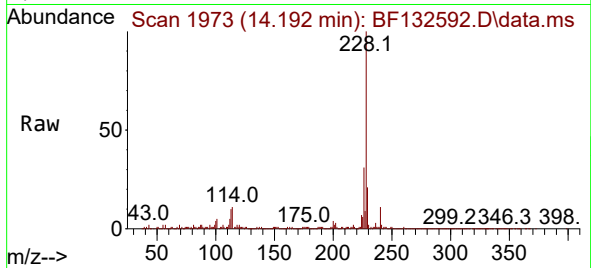




#81
Benzo(a)anthracene
Concen: 19.155 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

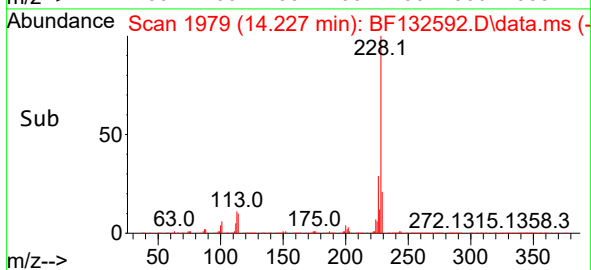
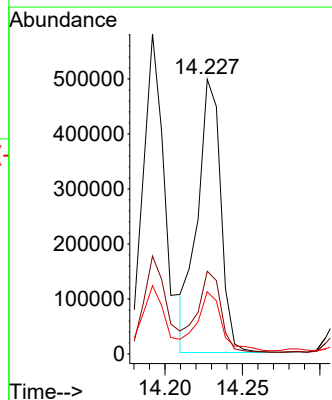
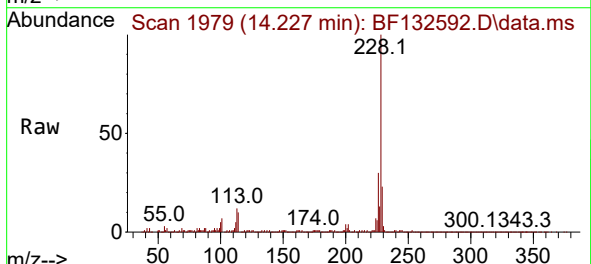
Instrument :
BNA_F
ClientSampleId :
TP-6

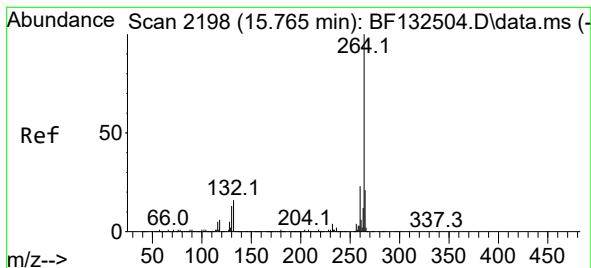
Tgt Ion:228 Resp: 572693
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 18.695 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:228 Resp: 522663
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.6 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.757 min Scan# 2198

Delta R.T. 0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

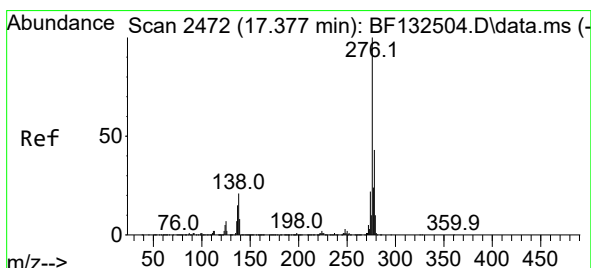
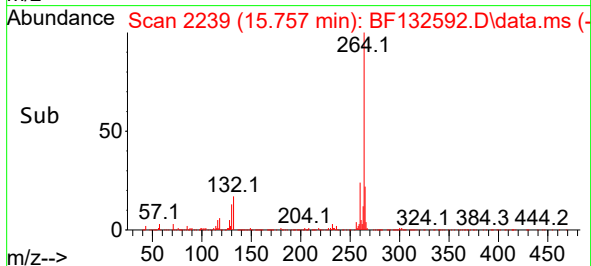
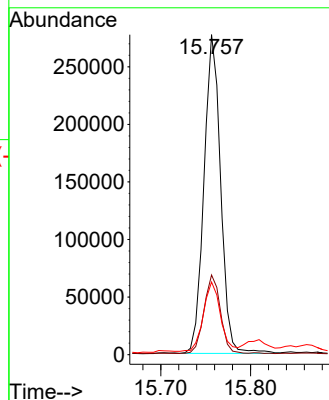
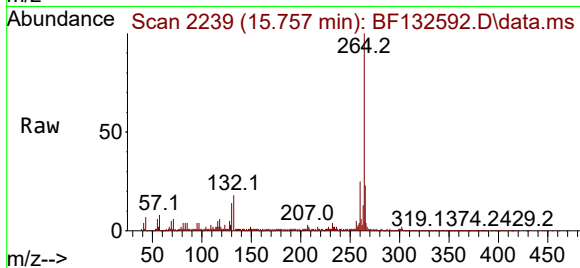
Tgt Ion:264 Resp: 357141

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 22.7 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.099 ng

RT: 17.356 min Scan# 2511

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

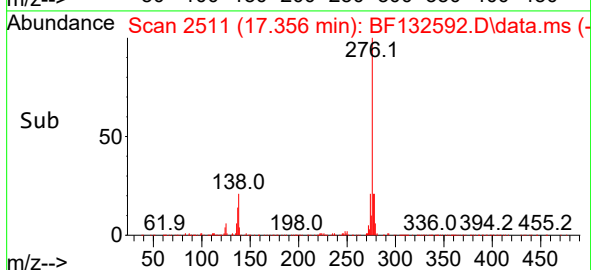
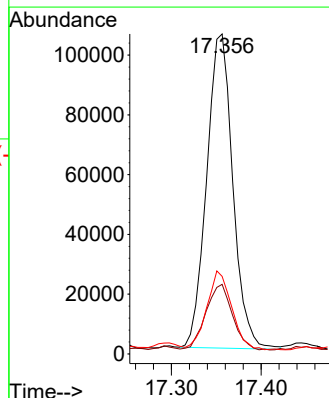
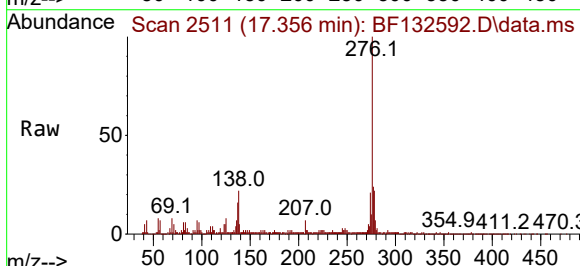
Tgt Ion:276 Resp: 212933

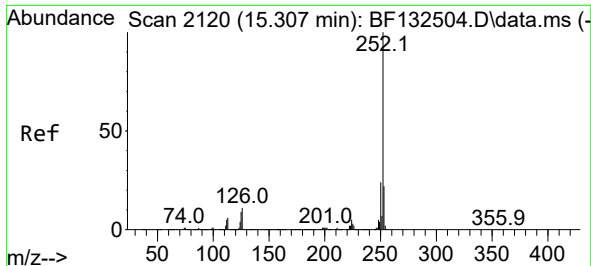
Ion Ratio Lower Upper

276 100

138 21.3 19.0 28.4

277 23.4 20.0 30.0

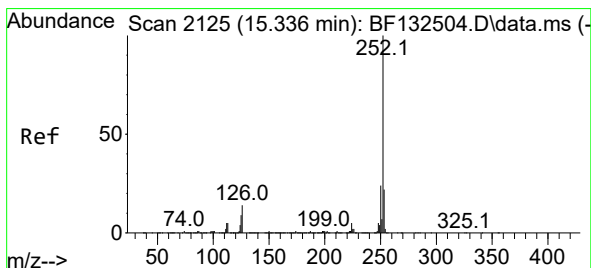
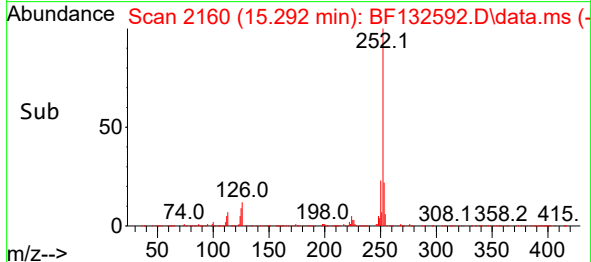
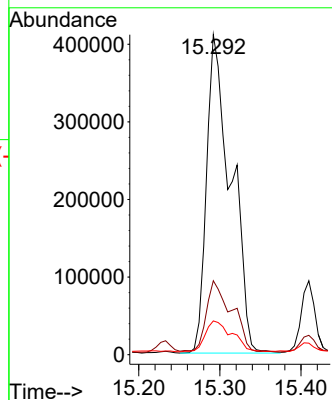
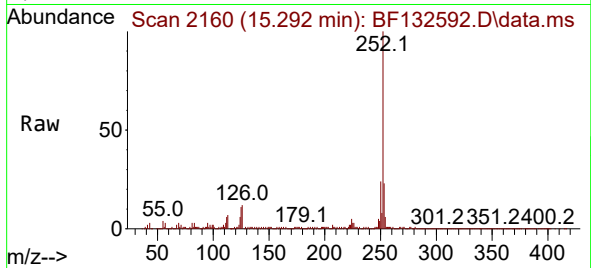




#88
Benzo(b)fluoranthene
Concen: 35.893 ng
RT: 15.292 min Scan# 2116
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

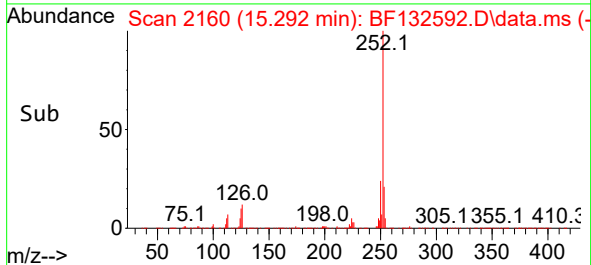
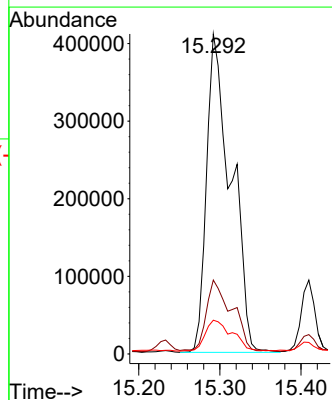
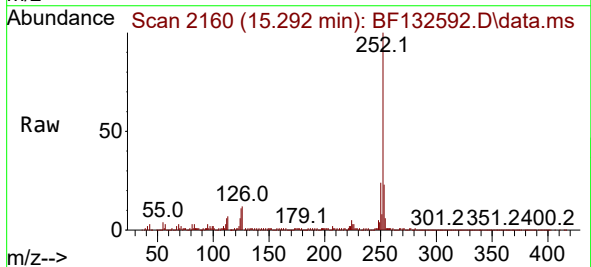
Instrument :
BNA_F
ClientSampleId :
TP-6

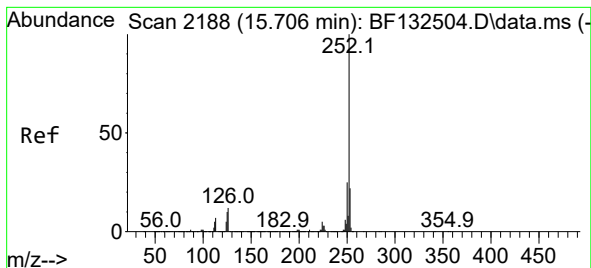
Tgt Ion:252 Resp: 859068
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.6 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 36.675 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.032 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:252 Resp: 859068
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 20.314 ng

RT: 15.692 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

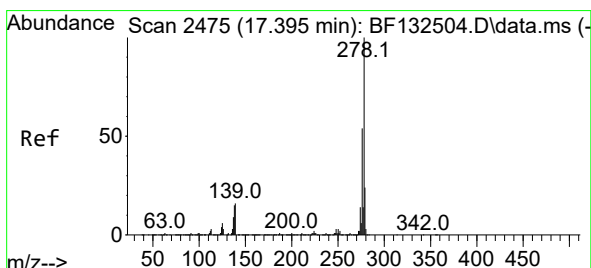
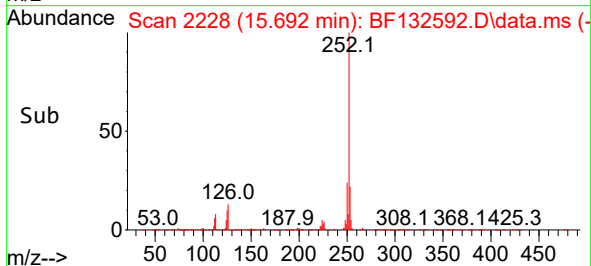
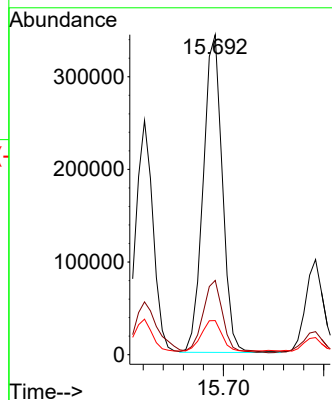
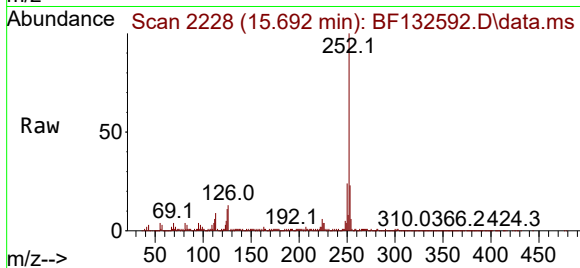
Tgt Ion:252 Resp: 455034

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 10.6 8.0 12.0



#91

Dibenzo(a,h)anthracene

Concen: 2.902 ng

RT: 17.362 min Scan# 2512

Delta R.T. -0.015 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

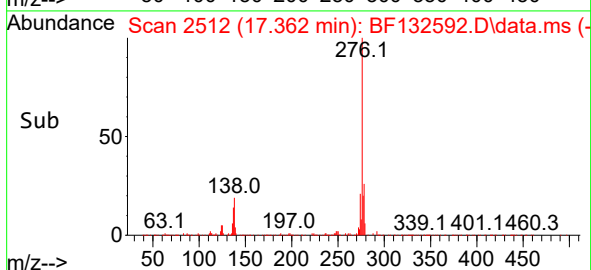
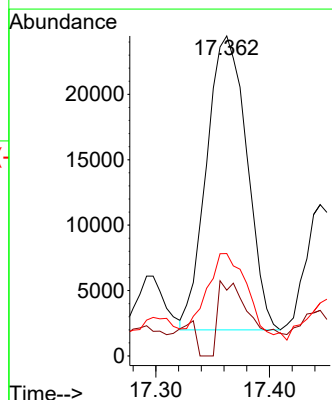
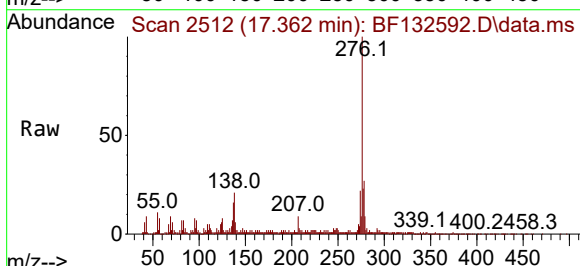
Tgt Ion:278 Resp: 55324

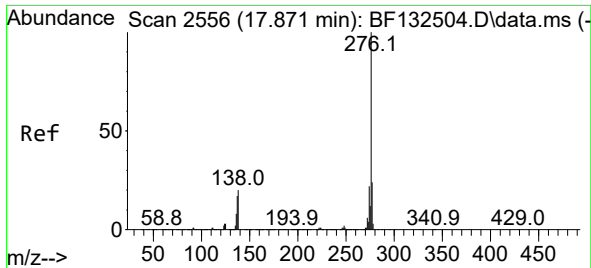
Ion Ratio Lower Upper

278 100

139 20.6 13.0 19.4#

279 32.0 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 10.503 ng
RT: 17.845 min Scan# 21
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:276 Resp: 198207
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 21.8 16.2 24.4

